

**CALIFORNIA ENERGY COMMISSION
Agricultural Peak Load Reduction Program**

**Milking System Retrofit
L & M Dairy Project Summary**

Project Description:

L & M Dairy, located in Merced, California, needed to update their milking system. A 10 horsepower, lobe blower vacuum pump was retrofitted for control by a variable speed drive. This replaced an existing oversized 15 horsepower, single speed pumping system.

Project Results:

This facility has multiple loads on one service meter. Since the retrofit, energy savings as high as 70% have been measured.

Total Project Cost	\$7,500
Total Grant Award	\$2,285
Contracted kW Load Reduction	9.14

Contact Information:

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New 10 hp motor and lobe blower vacuum pump



New variable speed drive